

Applicants: Girton et al.
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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A medical device comprising:

a tubular extrudate comprising an interpenetrating polymer network comprising a non-expanded PTFE matrix having distributed therein discrete domains of an extractable polymeric material, wherein upon exposure to sufficient dissolving medium or degradation temperature, said discrete domains are extractable polymeric material is extracted from said matrix to create pores in said tubular extrudate.

Claim 2 (original): The medical device of claim 1 further including a radially distensible stent positioned axially about said tubular extrudate.

Claim 3 (currently amended): A vascular graft comprising:

a tubular extrudate comprising an interpenetrating polymer network comprising a non-expanded PTFE matrix having distributed therein discrete domains of an extractable polymeric material, wherein upon exposure to sufficient dissolving medium or degradation temperature, said discrete domains are extractable polymeric material is extracted from said matrix to create pores in said tubular extrudate.

Claim 21 (previously presented): The medical device according to Claim 1, wherein said extractable polymeric material comprises silicone.

Claim 22 (new): A medical device comprising:

a tubular extrudate comprising an interpenetrating polymer network comprising a non-expanded PTFE matrix having distributed therein discrete domains of an extractable polymeric material, said extractable polymeric material being particulate and having a particle size of about 5 to 100 microns,

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wherein upon exposure to sufficient dissolving medium or degradation temperature, said extractable polymeric material is extracted from said matrix to create pores corresponding to said particle size in said tubular extrudate.

Claim 23 (new): An implantable, non-expanded, porous PTFE extrudate comprising:

a tubular extrudate comprising a non-expanded PTFE matrix; and
a plurality of pores distributed throughout said non-expanded PTFE matrix, said pores having a shape defined by an extracted polymeric material.

Claim 24 (new): An implantable PTFE extrudate comprising:

a non-expanded PTFE resin; and
a polymeric component which is incompatible with said non-expanded PTFE resin,
wherein discrete domains of said polymeric component are distributed throughout said non-expanded PTFE resin and are extractable therefrom.